

98-84315-4

Washington State  
University Library

Bibliography of the  
economics of textiles...

Pullman, Washington

1918

98-84315-4  
MASTER NEGATIVE #

COLUMBIA UNIVERSITY LIBRARIES  
PRESERVATION DIVISION

BIBLIOGRAPHIC MICROFORM TARGET

ORIGINAL MATERIAL AS FILMED - EXISTING BIBLIOGRAPHIC RECORD

300  
AW27

Washington (State) State ~~College~~ University,  
Pullman, Pullman,  
Library.

... Bibliography of the economics of textiles  
and clothing, prepared by the College of home e-  
conomics and the College library, for the use of  
librarians... Pullman, Washington, The State  
college of Washington, 1918.

44 p. 24 $\frac{1}{2}$  cm. (Washington (State) State coll-  
ege, Pullman. Library. Library bulletin, no.6)

RESTRICTIONS ON USE: Reproductions may not be made without permission from Columbia University Libraries.

TECHNICAL MICROFORM DATA

FILM SIZE: 35mm

REDUCTION RATIO: 11:1

IMAGE PLACEMENT: IA (IIA) IB IIB

DATE FILMED: 1/28/98

INITIALS: F.C.

TRACKING #: 30872

FILMED BY PRESERVATION RESOURCES, BETHLEHEM, PA.

State College of Washington

Bibliography of the economics  
- of  
Textiles and clothing

<sup>B</sup>  
D360 AW27

Columbia University  
in the City of New York

LIBRARY



School of Business

Business  
D 360  
A W 27

# The State College of Washington

## LIBRARY BULLETIN

W. W. FOOTE, Librarian

Library Director for  
Washington

U. S. Food Administration

Number 6

Pullman, Washington

August, 1918.



HOME ECONOMICS SERIES NO. 3

## BIBLIOGRAPHY OF THE ECONOMICS OF TEXTILES AND CLOTHING

Prepared by the College of Home Economics and the College Library,  
for the use of Librarians, Home Economics teachers and  
others interested in collecting printed information  
on Textiles and Clothing Conservation.

Introduction by

Miss Agnes H. Craig, Head of the College of Home Economics  
Director of Home Economics for Washington  
U. S. Food Administration

Price twenty-five cents.

Ten dollars per 100.

## PREFACE

This bibliography is the sixth of a series of library bulletins published by the library of the State College of Washington during the past two years. It is offered as a further contribution to the nation-wide movement for conservation of all national resources. Our food bibliography, issued last March, has been received so favorably throughout the country that we hope this also will be of service.

The appointment of Mr. John W. Scott, Chief of the Textile Division, by the War Industries Board, brings this phase of conservation very prominently to public attention, and we believe many will be interested in having a carefully prepared bibliography on this subject.

The list has been prepared by the College Library and the College of Home Economics in cooperation. We are indebted to Miss Agnes H. Craig, Head of the College of Home Economics, and Director of Home Economics for the State of Washington, U.S Food Administration, for the valuable introduction which should be carefully read by those using the bibliography.

We wish to express our appreciation to the compilers, Miss Swensen, and Miss Clatworthy, to the members of the library staff, and others for their cooperation in the preparation of this bibliography.

August 1, 1918.

W. W. FOOTE, Librarian.  
Library Director Washington  
U. S. Food Administration.

## THE ECONOMICS OF TEXTILES AND CLOTHING

Compiled by  
Linda M. Clatworthy, Special Bibliographer  
and  
Sadie J. Swenson, Instructor of Textiles  
College of Home Economics

## INTRODUCTION

Although food economy must continue to be of major importance in our war conservation program, economic pressure is directing our attention to other kinds of industrial thrift which will develop a positive and increasingly urgent need for study on the part of our civilian consumers.

The most notable of these is textile conservation, the immediate need for which is indicated by the recent appointment of a Textile Director as a member of the War Industries Board. The significance of this appointment will be more appreciated if we recognize the textile industry in its relation to the other great world industries of food, iron and steel, lumber and building materials. In the number of people employed it ranks first and so far as economic return is involved it holds third place. This normal status has been greatly changed by the war which has seriously disturbed world production in this field and has also caused a marked shifting of emphasis in the use of raw material and manufactured textiles so that unusual protective measures are necessary if a safe industrial equilibrium is to be maintained.

Much will depend upon our ability to bring in wool from other lands, notably South America and Australia; but the consumers of woolen clothing need not be concerned for many months to come, for it is believed that the stocks of woolen cloth and woolen garments now in the hands of the manufacturers and merchants are sufficient to meet the needs of the public.

Although cotton is plentiful, and there appears to be a large crop to be taken in this fall, the greatly increased demands on the part of the Government for certain cotton cloths has curtailed the supply for civilian trade and high prices generally have been reached, so high in fact that in June, 1918 the cotton goods manufacturers agreed with the Price Fixing Committee to stabilize the industry by a reduction in prices which would eventually carry through to the consumer.

Linen is almost out of the market so far as the manufacturers are concerned, and while there are still stocks of linen in the hands of merchants, it may be years after the war before normal stocks will be available.

Silks have been in very great demand for the past two years, and while the Government needs for silk are very much less than they are for wool and cotton, certain kinds of silk are required in large quantities for the making of powder bags, etc.; while the price of silk has advanced very decidedly, the advance has not been so great as the advance in cotton goods.

Our present emergency undoubtedly promises us a full quota of serious problems for the consumer and indicates in no uncertain terms the need for general textile education as an aid in determining the best ways and means of meeting the situation.

Our present emergency, however, does not constitute the only reason why this should be done. Through the rapid development of public utilities and their popular extension into the home, American women have long been released from the exactions of pioneer living and have benefited from the privileges of increased leisure, therefore they owe a greater obligation in terms of intelligent service where industrial problems and workers are concerned. This is particularly true of the textile field because more than any other it involves women in industry.

Since the time when these industries were taken from the home woman's responsibility has been logically and rightly extended from that of an individual and local consumer to that of a highly socialized consumer. This transfer of industrial occupations brought about some of the most disturbing economic and social problems that confront us today, such as woman's place in industry, child labor, the minimum wage, etc. Furthermore, since woman really does control the field of consumption through her responsibility as the spender of the income there is every reason why she should have a working knowledge of economic principles in their relation to the problems of the consumer as that men should be familiar with the economics of production and distribution in the larger world of industry.

There are also many misconceptions that need to be corrected. In spite of the fact that the textile industry in America ranks among the highest in quality and in economic conditions controlling output, people are still bound by the fetish of the foreign trade-mark as mark of quality. Some of the finest woolen materials are made here but must be marked with a foreign trade-mark to give them favor with American customers. Such practice is neither good economics nor good patriotism.

Another example is that of the dye situation. Color chemistry is the same the world over. American dyes are just as good as

German dyes because they are the same formula. The only way in which American dyes fall short is in variety of color, a condition which is being rapidly changed. The war has so stimulated American experimentation in this field that our control of dyes promises to be complete after the war.

So called standardized dress is another subject about which much absurd theory, neither practical nor desirable, is advanced. Standardization should not mean the adoption of a fixed type for all purposes and for all time, in other words a uniform, but should rather mean the stabilizing and control of the tempo of style or fashion by means of the education of the popular mind in the practice of reasonable judgement and taste. There is no greater aid to this type of economic practice than the intelligent application of the art principles of color and form to problems of dress and furnishings. Consciously or unconsciously people express their mental capacity and training through their selection, use and care of clothes. There is undoubtedly an urgent need for great modification and control in this respect but arbitrary measures should not be resorted to. There should be sufficient latitude to provide for the exercise of such freedom in selection and form as shall guarantee a reasonable incentive to the individual to express her ideals and personality through this medium.

People show a laudable desire to express themselves patriotically in relation to war measures but frequently find difficulty in knowing how to interpret the various programs of conservation and thrift that are suggested. The first step is to find out what real economy means after which the measure of sane practice will be greatly increased. Economy does not mean parsimony, neither does it mean entire curtailment in either food or clothing. In the former we are learning our lessons with comparative ease but the regulation of economy in textiles and clothing is more difficult and intangible because it is not so consciously a personal matter as food. The processes of production, manufacture and distribution are so numerous and obscure in the mind of the consumer that they are not readily or clearly connected with the every-day needs of the average individual. Consumers in this field must understand the significance of the laws governing economic and commercial stability so that the peril of industrial panic may be averted. This is the kind of coöperation that the civilian consumer should be able to give our government and its industrial captains at this time as well as in the future days of reconstruction.

It is with these and other practical thoughts in mind that we have brought together the material contained in this bibliography on the "Economics of Textiles and Clothing." It is not intended to be exhaustive, only suggestive along the more important lines of

thought closely related to the subject in hand. We believe the bibliography to be timely as an aid to intelligent and economical practice in the special field of textiles and clothing. Much valuable material could not be included for lack of space and for other reasons but there has been careful selection with the idea of giving practical aid and a variety of viewpoint on such subjects as:—problems of conservation as they are really involved in retail merchandising; the locating of extravagance and where saving in this respect may be affected; style and its control in relation to economy and beauty; the burden and loss involved in our present delivery system, department store practice, camouflage of the bargain sale, return privileges, quantity buying, seasonal buying, repair, etc.; the psychology of salesmanship in victimizing the easy customer; economic and social reactions involved in industrial methods; strikes among women workers; fundamental causes of the increased cost of living; the importance of the Protocol Agreement between employers and garment workers and its relation to clothing production under sanitary conditions, wages, hours, etc. Not only are these topics packed with thought material that will be of practical aid to women in solving their personal problems but which must be appreciated and understood if they are to make intelligent use of the suffrage in promoting constructive legislation of any kind meant to contribute to better social and industrial conditions.

We are deeply indebted to Mr. W. W. Foote, librarian of the State College of Washington and Library Publicity Director for the State of Washington for his liberal encouragement of the work, for his contribution in offering all the facilities of the library and for his willingness to publish the bibliography as one of the series of Library Extension Bulletins. Enough credit cannot be given to Miss Linda Clatworthy, special bibliographer, and to Miss Sadie J. Swenson, specialist in textiles and clothing in the College of Home Economics. Miss Clatworthy's notable work and wide experience as a reference librarian make her contribution unusually valuable. Miss Swenson's untiring work in the selection and review of books, bulletins and popular articles has been much aided by her long practical experience as one of the first women who undertook this study of textile education as her special field.

It is hoped that the bibliography will be useful to home economics teachers of all types, to club women interested in selecting subjects for club study, to social workers, librarians seeking to aid in this field of information and conservation and to the public generally who may be seeking guidance in this wide field of conservation activity.

Signed: AGNES HOUSTON CRAIG.

Head, College of Home Economics, and  
Director of Home Economics for Wash-  
ington for the U. S. Food Administration.

## CONTENTS

Preface .....	2
Introduction .....	3
I. The commercialization of textiles and clothing .....	9
Development of the textile industry .....	9
Economics of the manufacture and distribution of cloth and ready-to-wear clothing .....	10
System of manufacture and wholesale merchandising .....	10
Retail merchandising .....	12
Training salesmen in knowledge of goods .....	13
Style .....	14
Advertising .....	14
Condition of the workers in mills, factories and stores .....	15
General .....	15
Hours of labor .....	16
Wages .....	17
Textile mills .....	17
Child labor .....	17
Clothing industry .....	18
Home labor and sweat shops .....	19
Consumer's League .....	20
Protocol agreement .....	21
Retail stores .....	21
Dressmaking .....	22
Laundries .....	22
II. The consumer and reaction of modern methods of merchandising .....	23
Economics of spending .....	23
Extravagance .....	23
Shopping habits .....	24
Moderation in style and freedom in individual choice in dress .....	25
III. Science and fundamental principles of clothing .....	25
How to know fabrics .....	25
Dyes and dyeing .....	28
Hygiene .....	29
Economy in selection .....	29
Clothing budget .....	29
Points in buying .....	30
Art .....	31
Ethics .....	32



## CONTENTS (Continued)

IV. Technique of garment making .....	32
Sewing and dressmaking .....	33
Remodeling .....	35
Children's clothing .....	35
V. Cleaning and preservation of clothing .....	35
Laundry .....	35
Chemistry .....	36
Soaps .....	36
Equipment .....	36
Removal of stains .....	37
Dry cleaning and preservation .....	37
VI. The textile situation, 1917-8 .....	37
Cotton .....	38
Dyestuffs .....	38
Linen .....	39
Leather .....	39
Silk .....	39
Substitutes .....	39
Wool .....	40
VII. Suggestive study outlines .....	40
Department stores .....	40
Schools .....	40
Women's clubs .....	41
VIII. Key to magazines and bulletins .....	41

## COMMERCIALIZATION OF TEXTILES AND CLOTHING

### DEVELOPMENT OF THE TEXTILE INDUSTRIES

- \*Bogart, E. L. *Economic history of the United States*. Ed. 2. Longmans, c 1907-12. \$1.75.  
 Chapters on cotton and slavery, p 132-47; introduction, domestication and growth of the factory system, p 143-88, slavery and the South, p 290-305.

Note: Any good industrial history of the United States may be consulted, as Coman, McVey or Wright, noted below.

- Brooks, E. C. *Story of cotton and development of the cotton states*. Rand & McNally, 1911. \$.75.

An excellent reference for elementary courses in history of textiles. Treats of one of the greatest industries of the world and its relation to the life of the people. Approaches the subject from historic and economic aspects in its relation to the political forces of the world. The author has a thorough understanding of the subject and presents it in a broad, vital and interesting manner; good maps and illustrations.

- Coman, Katharine. *The industrial history of the United States*. New and rev ed. Macmillan, c 1905-10. \$1.60.

- \*Earle, A. M. *Home life in colonial days*. Macmillan, 1898. \$2.50.  
 Portrays life in our country in the early days. Has chapters on flax and wool culture; hand weaving; dress and occupations relating to it. An authoritative historical background for the study of the evolution of textile industry in America.

- Kissell, M. L. *Yarn and cloth-making*. Macmillan, 1918. Announced.

- McVey, F. L. *Modern industrialism*. Appleton, 1904. \$1.50.  
 Chapter 1 and 2 on rise and development in England and U. S.

- Price, I. H. *King Cotton in field, mill and mart*. Outlook 106: 714-22 My 28 '14.

- \*Scherer, J. A. B. *Cotton as a world power*. Stokes, 1916. \$2.00.  
 A fascinatingly told story of the history and growth in economic importance of cotton production and manufacture, tracing it from mythical times to India, England and U. S. up to the world war. A readable introduction to economics for women, giving a basis for appreciation of the way human clothing needs have influenced world history and are likely to bring further political complications.

- Seligman, E. R. A. Economic interpretation of history. Ed. 2. Columbian Univ press, c 1907. \$1.50.
- Sully, D. J. King Cotton's impoverished retinue. Cosmopolitan p 253-78 F '09.
- Dawn of the cotton century. Cosmopolitan p 408-11 My '09.
- The remedy. Cosmopolitan p 546-53 Ap '09.
- Thompson, Holland. From the cotton field to the cotton mill. Macmillan, 1906. \$1.50.
- A study of industrial transition in N. Carolina, a typical cotton state.
- Tryon, R. M. Household manufactures in United States. Chicago Univ press, 1917. \$2.00.
- A valuable reference for high and normal schools and colleges. Furnishes a background for historic, economic and social phases of textile study and is an excellent supplementary reference to such texts as McVey's "Modern Industrialism." It deals with such topics as the status and factors affecting household manufactures in the colonies; a quarter century of developments, 1784-1809; the products of the family factory; the transition from family to shops and factory-made goods. Advance chapters were issued in Elementary school journal, N & D '16.
- \*Walton, Perry. Story of textiles. Walton advertising & printing co., Boston, 1912. \$3.00.
- "A bird's eye view of the history of the beginning and growth of the industry by which mankind is clothed." Has excellent chapters on the beginning and development of factory system in England and America and on textile inventors and inventions. It interweaves romance with scientific and economic facts in such a way as to give appreciation and background. Not comparable to any other book on the subject.
- Wright, C. D. Industrial evolution of the United States. Scribners, c 1895-7. \$1.25.

## ECONOMICS OF THE MANUFACTURE AND DISTRIBUTION OF CLOTH AND READY-TO-WEAR CLOTHING

### SYSTEM OF MANUFACTURE AND WHOLESALE MERCHANDISING

- Albert, S. L. Manufacture of men's ready-made clothing. American Exporter Ap '17 p 69-70; abstract in Business Dig Ap-Je '17 p 108.
- Volume and importance of the industry. \$1,000,000,000 per annum.
- Bowers, R. What happens to 500,000,000 pounds of wool a year. Harp W 55:17-18 My 20 '11.

- Consumption in U. S., wool growing and processes of manufacture.
- \*Cherington, P. T. The wool industry. A. W. Shaw Co., 1916. \$2.50.
- Concentrates on the hitherto unexplored territory of the buying and selling of wool products, describing in detail the function and importance of wool merchants, selling houses, dry goods, jobbing enterprises and department stores. Chapters on technical processes, imported fabrics, ready-to-wear clothing industries and two valuable chapters on how styles are set and adopted and their influence in making and selling cloth. Written for students of economics.
- Chittick, James. Silk manufacturing and its problems. James Chittick, New York, 1913. \$2.50.
- Written by an authority from the manufacturer's view point, primarily for producers and distributors of silk merchandise. Even though much of the book is devoted to the technique of milling operations it gives the consumer an inside view of innumerable complex factors involved in the manufacture and distribution of textiles; place and methods of advertising and merchandising are emphasized in the relation of their final disposal to the consumer. The book gives the reader a much better knowledge of fabrics and their costs.
- Copeland, M. T. Cotton manufacturing industry of United States. Harvard Univ press, 1912. \$2.00.
- Through its broad scope of subject matter it furnishes the requisite background for the teacher and advanced student in the economic study of the development of textile industry. Sets forth the relative position of the American cotton manufacturing industry by means of an international comparison of geographical factors, technical methods, labor conditions, and industrial and commercial organizations.
- Dayton, T. S. Story of silk. Harp W 55:12-3. My 20 '11.
- From silk worm through manufacture.
- Hooper, Luther. Silk; its production and manufacture. Lond. Pitman. \$60.
- This and the two following are excellent little popular English manuals, giving brief introduction to the industry, describing it from raw material to finished product.
- \*Hunter, J. A. Wool. Ed. 2. Lond. Pitman, 1915. \$60.
- Moore, A. S. Linen. Lond. Pitman, n. d. \$60.
- Skidder, H. A. How they sell the wool at Boston. Amer Sheep Breeder. S '17.
- Market grades, where they come from and what favor they meet with buyer. Fundamental market information.
- U. S. Bureau of the census. Census of manufactures, 1914: clothing. 1917. 22p.
- Cotton manufactures, 1918. 33p.
- Hosiery and knit goods. 1918. 29p.
- Miscellaneous textiles, including jute and linen goods, flax, dyeing and finishing textiles. 1917. 25p.
- Wool manufactures. 1918. 47p.

Vivian, G. Ready-made clothes. W H C 37:90 Mr '10.  
How they are manufactured.

Note: Some of the best information on textile mills and ready-made clothing industries may be found in the reports and bulletins of the U. S. Bureau of labor statistics, listed under "Condition of the workers."

#### RETAIL MERCHANDISING

\*Cooke, J. G. What is a bargain? Delin 78:382 N '11.  
Cutting down deliveries and return privileges at department stores.  
Lit Dig 55:74 JI 28 '17.

Department store advertising. Outlook 93:853-4 D 18 '09.  
The lure of tea rooms and other unusual attractions.

Douglas, A. W. Why don't more women trade with me? System  
D 12 '17 p 466.  
Characteristics of the woman shopper.

\*Field, C. C. Retail buying. Harper, 1917. \$1.25.  
Discusses the buying policies of department and chain stores as well as mail order houses; pricing and stock keeping; display; selection of merchandise; instruction of salespeople, etc. Author has been connected with such stores as Marshall Field & Co. of Chicago, and James McCreery of New York. Will also be very informing to the woman shopper.

\*Fisk, J. W. Retail selling. Harper, 1916. \$1.00.  
Said to be a "guide to the best modern practice in retail stores." While written exclusively for those engaged in selling goods and undoubtedly calculated to help make them 100% alert and efficient in that respect, we cordially commend it to the thoughtful perusal of women shoppers. Certain mental characteristics (?) of women to whom salesmen must cater are analyzed and methods of advertising and display calculated to sell by subtle appeal to the senses are explained, all with brutal frankness. Such practices of exploiting the consumer should warn her away from stores which follow them and lay the charge of extravagance at the door of the merchant rather than of the American woman.

Hollingworth, H. L. Sex differences affecting sales to men and women. Salesmanship N '17 p 362; abstract in Business Dig N 28 '17 p 386.

Hotchkiss, Wm. R. Scrapping of old retail evils will benefit advertisers. Printers Ink JI 26 '17 p 12; abstract in Business Dig Ag 8 '17 p 1165.

Elimination of waste in merchandising methods will mean that retail stores will no longer depend on their "service" to customers as advertisement but will do straight advertising of quality of goods.

Kelly, F. C. Foolish things the war may stop. Am M 84:19-20 O '17.

Wastefulness, including a study of department store deliveries.

Making money out of making women lovely. Am M 83:49-50. My '17.  
Life story of a successful Fifth ave. milliner.

\*Nystrom, P. H. Economics of retailing. Ronald press, 1915. \$2.00.  
A broad study of retail distribution by a teacher of economics, for the merchant and student. Chapters of special value to the consumer, are on the distribution system; the consumer; how retail prices are fixed; the department store, the chain store, mail order house; price maintenance and public regulation. Especially thoughtful is the final chapter on the ideal retailing system in which immense saving is admitted possible in the cost of distribution, ultimately available to the consumer.

"Once-a-day delivery" is urged at convention of National retail dry goods association, Washington, JI '17: abstract in Business Dig JI 25 '17 p 992.

\*Retailing reforms that make way for more advertising. Printers Ink 26 '17 p 99-100; abstract in Business Dig Ag 8 '17 p 1125.  
Reforms discussed at conference of Commercial Economy Board with retailers. Restrictions on store deliveries and curtailment of the return privilege. To offset discontinuance of elaborate service there must be more advertising and sale of nationally advertised brands.

\*Tarbell, I. M. Waste service in shop deliveries: the Commercial economy board appeals to the housewives for needed reform. Housewives M F '18 p 19-20.

Why shoe-prices are high. Lit Dig 54:154-5 Ja 20 '17.

#### TRAINING SALESMEN IN KNOWLEDGE OF GOODS

Hyde, G. M. College for retail clerks: university extension work for the man behind the counter. World's W 28:345-51 JI '13.  
By the University of Wisconsin, under P. H. Nystrom.

\*Norton, H. R. Department store education. U S Bur of Ed B 1917 No. 9.

Training methods developed at Boston school of salesmanship under Lucinda W. Prince, including description of courses in textiles, color, and design, and merchandise with an account of educational work in department stores. Edition exhausted. Try Women's educational and industrial union, Boston, 264 Boylston Street. \$.25 and postage.

Prince, L. W. Training for efficiency in department stores. Bookman 43:190-3 Ap '16.

Towsley, W. B. Training in salesmanship. Nat Educ Assn Proceed 1912:1043-6.

#### Style

Note: The subject of style is here discussed under Merchandising where it originates and in which it has a very special function as a stimulant to trade.

Agitation for American fashions. Cur Opin 54:251-3 Mr '13.

\*Archer, William. Making of Paris fashions. McClure's 42:31-47

- Ja '14.
- \*Cherington, P. T. The wool industry. A. W. Shaw Co. 1916. \$2.50.  
Very important chapters on how styles are set and adopted and their influence in making and selling cloth. Should be studied by every consumer.
- \*Clerget, P. Economic and social role of fashion. Smithsonian Institution Rept 1913:755-65.  
By a French teacher at Lyons, France. Authoritative and interesting.
- Cushing, C. P. Narrow skirt. Ind 72:655 Mr 28 '12.
- Dauncey, E. C. Functions of fashion. Contemp 99:603-7 My '11.  
Same Liv age 269:790-4 Je 24 '11.  
Argues that shifting fashion is the note of progress, a stimulant to trade and force in civilization.
- Fashion notes. Scrib M 56:681-2 N '14.  
Emblem of prosperity and progress. Murmurs of revolt at hand.
- \*German repudiation of Paris fashions. Lit Dig 54:246-8 F 3 '17.  
For political and economic effects.
- \*Groth, C. D. Truth about Paris fashions. L H J 29:8 Mr '12.  
Effort of Paris to keep the leadership in fashion.
- \*How business men forecast the future demand of the public. Our Opin 59:129-30 Ag '15.
- \*Inch of dress costs \$10,000,000 in shoes. World's W 33:589 Ap '17.  
Cost of style.
- \*Judgment of Paris. Nation 96:51-2 Ja 16 '13.  
Plea for American fashion and freedom from the domination of Paris.
- \*King, E. M. War, women and American clothes. Scrib M 62: 592-8 N '17.  
Work of the Natural History Museum, N. Y. in inspiring American designs.
- McManus, Blanche. American woman abroad. Dodd, Mead, 1911. \$2.00.  
Chap. on men dressmakers of Paris and London.
- New Paris fashions shown on living models; by Spectator. Outlook 105:673-4 N 22 '13.
- Paris fashions and American women. Craftsman 17:464-7 Ja '10.
- \*Ross, E. A. Social psychology. Macmillan, 1908. \$1.50.  
Chap. 6, an excellent analysis of the psychology of fashion.
- Young, F. "The fashion is always beautiful." Liv age 280:119-21 Ja 10 '14.  
Beautiful to us while it lasts, a symbol of the contemporary, of the present hours, of life itself. Danger of confusing ideas of real beauty.

#### Advertising

Note: The following brief references are suggestive as to the power of advertising appeal in the clothing business.

- Blanchard, F. L. Advertising gives kid leather a quick entry into changing market. Printers Ink My 22 '17 p 423; abstract in Business Dig Ja-Mr '17 p 423.
- Kirchbaum, David. Advertising develops industry in half the time. Printers Ink Je 7 '17 p 90-4; abstract in Business Dig Ap-Je '17 p 108.  
How it has developed manufacture of men's ready-made clothing in contrast to meager growth of women's clothing industry without it.
- Making a public trend the advertising's point of contact. Printers Ink Mr 8 '17 p 3-9, 94-101; abstract in Business Dig Ja-Mr '17 p 114.  
Using the "physical culture fall" to advertise corsets.
- Making the trade-name fit the particular appeal of the line. Printers Ink F 1 '17; abstract in Business Dig Ja-Mr '17 p 452.
- McCann, Edna. Converting women workers to overalls. Amer Industries My '18 p 18; abstract in Business Dig Mr 27 '18 p 406.
- New names hurry up sales of goods that "stick." Printers Ink Ja 24 '18 p 57; abstract in Business Dig F 27 '18 p 291.
- Stern, E. J. This is how "Maid Marion" dresses are merchandised. Advertising and Selling S '17 p 26; abstract in Business Dig O 17 '17 p 130.
- Sweet, Orr & Co.'s preliminary campaign to exploit new use of overalls for women. Printers Ink F 1 '17 p 45-9; abstract in Business Dig Ap-Je '17 p 14.
- How advertising held Heatherbloom's place five years. Advertising and Selling S '17 p 9; abstract in Business Dig O 24 '17 p 174.

#### CONDITION OF THE WORKERS IN MILLS, FACTORIES AND STORES

##### GENERAL

- Abbott, Edith. Women in industry. Appleton, 1910. \$2.00.  
Readable study of women as a factor in American economic history. Relates chiefly to textile and clothing industry, with chapter on ready-made clothing.
- Bosworth, L. M. Living wage of women workers: a study of incomes and expenditure of 450 women workers in the city of Boston. Ann Am Acad 37: sup 90p My '11 (p 65-75 on clothing of the working girl.)
- \*Bryner, Edna. Limitations and possibilities of industrial training for women. Ind Arts M 6:89-91 Mr '17.  
Big task of vocational training for women in the sewing trades in which there are 800,000, 1/10 of U. S. working women. Very little being done.

Dorr, R. C. What eight million women want. Small, Maynard, 1910. \$2.00.

Chap. 5. Women's demand on the rulers of industry-consumer's league. Chap. 6. Making over the factory from the inside.

Henry, Alice. The trade union woman. Appleton, 1915. \$1.50. Account of the movement for and by women's trade unionism in U. S. Especially chap. on "the huge strike."

\*Kelley, Florence. Modern industry. Longmans, 1914. \$1.00. Four vitally suggestive lectures, by Secretary of National Consumer's League, clearly showing the disintegrating effect of modern industry upon family life and upon health; and the new education and morality demanded in relation to the industrial system. Should be read by every consumer.

McLean, A. M. Women workers and society. McClurg, c 1917-18. \$50. Adapted for reading and discussion in clubs of less highly trained women and girls. To be commended for its discussion of industrial evils and remedies.

Mussey, H. R., ed. Economic position of women. Proceed Acad Polit Sci in N. Y. City 1:1-193 '11.

Papers by prominent women investigators on the historical development of women's work in the U. S.; problems of women in industry; and social action, with bibliography by Carola Woerishoffer.

The protection of women; some laws and lawsuits, a review. Outlook 106:670-3 My 28 '14.

Hours, wages and conditions of labor.

\*U. S. Bureau of labor. Report on condition of women and child wage-earners in the United States. 19 vols. Washington, U S Sup of docs. 1910-12.

For this federal investigation, the first ever made in America, Congress appropriated \$300,000, at the instance of Miss Mary McDowell, then chairman of the Women's Trade Union League. Study was made of labor force, living and working conditions, wages, processes of the occupations involved and considerable information is included on the industries themselves. Volumes of special interest are:

- Vol. 1. The cotton industry.
- Vol. 2. Men's ready-made clothing.
- Vol. 4. The silk industry.
- Vol. 5. Wage earning women in stores and factories.
- Vol. 9. History of women in industry in the United States.
- Vol. 10. History of women in the trade unions.
- Vol. 12. Employment in laundries.
- Vol. 16. Family budgets of typical cotton mill workers.

Note: A summary of the 19 vols. has appeared as Bulletin 175 of the Bureau of labor statistics.

#### Hours

Bretning, F. O. vs. the State of Oregon. The case for the shorter working day, Supreme court of the U.S. Oct. 1915: brief for

the defendant in error. 2 vols. Reprinted by National consumers' league. 289 Fourth Ave., N. Y. City.

A valuable mine of accurate, pertinent information on all phases of the question of limiting the hours of labor in industries.

#### Wages

Andres, I. O. Minimum wage legislation. Albany, N. Y. J. B. Lyon Co. 1914. Reprinted from the 3rd report of the N. Y. State factory investigation commission.

A pamphlet presenting the main facts concerning the enactment and operation of the minimum wage laws with some representative opinions on their operation and effect, and a select bibliography.

Foster, W. F. ed. The social emergency. Houghton Mifflin, 1914. \$1.35.

Chap. 5 on economic phases (relation of low wages to women and the social evil)

Nystrom, P. H. Economics of retailing. Ronald press, 1915. \$2.00. Chap. 7 on the wages of salespeople.

\*Ryan, J. A. A living wage, its ethical and economic aspect. Macmillan, 1906.

U. S. Bureau of labor statistics, Bulletin 167. Minimum wage legislation; by C. H. Verrill. 1915.

History, texts and operations of the laws, with bibliography.

#### TEXTILE MILLS

\*Lauck, W. J. Condition of the New England woolen mill operative. Survey 27:1772-4 F 17 '12.

Condition at Lawrence at variance with claim that unrestricted immigration is an advantage and protective tariff a necessity to the American wage earner.

Moses, K. Other side of the cotton mill. Outlook 113:977-84 Ag 23 '16.

Story of the revolution effected in a N. Carolina town by a school for textile operatives and owner's improvements. Shows possibilities. Illustrated.

\*Sherwood, J. Cotton mill. Forum 57:329-48 Mr '17. Effect on the worker.

Sumner, M. B. Broad-silk weavers of Paterson. Survey 27:1932-5 Mr 16 '12.

U. S. Bureau of labor statistics. Bulletin 190. Wages and hours in the cotton, woolen and silk industries, 1907-14 '16.

\*U. S. Bureau of labor. Report on conditions of women and child wage-earners in the United States. Vols. 1, 4, 9, 16.

#### Child Labor

Note: For history of the agitation against this evil in the textile industries see the bulletins and reports of the National Child labor committee, 105 E. 22nd St. N. Y. City. The recent federal child labor law which barred from interstate commerce the

products of mills, factories and work shops made where children are employed, was declared unconstitutional by the Supreme court, June, 1918.

Child workers in North Carolina cotton mills. Survey 33:573 F 27 '15.  
Devine, E. T. The new view of the child. Ann Am Acad 32: sup 4-10 J1 '05.

McKelway, A. J. Cotton mill, the Herod among industries. Ann Am Acad 38: sup 39-52 '11.

\*Priddy, Al. Through the mill: life story of a mill boy. Pilgrim press, 1911. \$1.35.

An autobiography. First appeared in the Outlook.

#### CLOTHING INDUSTRY

Barnum, G. How industrial peace has been brought about in the clothing trade. Ind 73:777-81 O 3 '12.

Bryner, Edna. The garment trades. Cleveland foundation. Survey committee, Cleveland education survey reports, 1916. vol. 19. \$ .25.

\*Clark, S. A. & Wyatt, E. Shirtwaist-makers and their strike. McClure's 36:70-86 N '10.

Clothing industry. Sci Am S 78:266-7 O 24 '14.

Processes and implements used in the industry, with advice as to sanitary and safety devices which should be provided to insure workers against accidents and disease.

Emmet, Boris. Trade agreements in the women's clothing industries in New York City. Monthly Rev Bur Labor Statistics D '17 p 19-39.

Goodman, P. & Ueland, E. Shirtwaist trade. J Pol Econ 18:816-28 D '10.

Hutchinson, W. Hygienic aspects of the shirtwaist strike. Survey 23:541-50 Ja 22 '10.

\*Lemlich, Clara. The inside of the shirtwaist factory. Good H My '12 p 367.

An appeal to the women who wear by one of the strike leaders.

Maily, W. Working girls' strike; the shirtwaist makers of New York. Ind 67:1416-20 D 23 '09.

Merriman, C. Searchlight turned on child labor and the tailoring trades. Survey 32:303-4 Je 13 '14.

Moskowitz, H. Joint board of sanitary control in the cloak, suit and skirt industry of New York City. Ann Am Acad 44:39-58 N '12.

Protocol meeting the cost of living. Survey 38:249 Je 9 '17.

Agreement between Hart, Schaffner & Marx and the Amalgamated garment workers.

\*Solution of industrial peace. Ind 74:273-5 F 6 '13.

Explanation of the peace protocol and hope that the entire women's wear industry will be under it.

#### U. S. Bureau of labor statistics:

Bulletin 98; by C. H. Winslow. Conciliation, arbitration and sanitation in the cloak, suit and skirt industry in New York. 1912.

Text and description of provisions of the peace protocol signed in 1910 between 50,000 garment workers and manufacturers in New York City.

Bulletin 135. Wages and hours of labor in the cigar and clothing industries, 1911-12, 1913.

Use for description of the principal operations in the manufacture of men's clothing.

Bulletin 144. Industrial court of the cloak, suit and skirt industry of New York City: by C. H. Wilson. 1914.

Report of the Board appointed under term of the peace protocol for the adjustment of labor grievances.

\*Bulletin 145. Conciliation arbitration and sanitation in the dress and waist industry of N. Y. City.

Report of the peaceful settlement under the protocol of 1913 between 36,000 dress and waist makers of N. Y. City. Includes descriptions and statistics of the industry and its occupations.

Bulletin 146. Wages and regularity of employment and standardization of piece rates in the dress and waist industries, New York City, 1914.

Includes description of the various processes used in the dress and waist industry.

Bulletin 147. Wages and regularity of employment in the cloak, suit and skirt industry. 1915.

Yearly earnings in N. Y. and Boston, with descriptive analysis of occupations.

Bulletin 183. Regularity of employment in the women's ready-to-wear garment industries. 1915.

Bulletin 198. Collective agreements in the men's clothing industry; by C. H. Winslow. 1916.

Gives an account of how differences between workers and employers have been settled in the men's clothing industry which does not have the protocol arrangement under which the women's clothing industries are conducted.

U. S. Bureau of labor. Report on conditions of women and child wage-earners in the United States. 19 vols. Washington, 1910-12.

Vol. 2. Men's ready-made clothing.

Van Kleeck, M. Women and children who make men's clothes. Survey 26:65-9 Ap 1 '11.

Abstract and review of Labor report, above.

Where union and employers cooperate. Survey 37:277-8 D 9 '16.

Abstract of report of Joint Board of sanitary control.

Home labor and sweat shops

Carlton, Frank. History and problems of organized labor. Heath,

1911. \$2.00.  
 Chap. 12 on the sweated industries.
- Dorr, R. C. Child who toils at home. Hampton 28:183-8 Ap '12.
- Goldmark, J. Tenement home work and the courts. Survey 35: 612-13 F 19 '16.
- Goldmark, P. "Art work in the tenements." Survey 26:114-5 Ap 15 '11.
- \*Hall, G. A. Home manufacturing and poverty. Survey 27:1758-9 F 17 '12.
- Industrial home work in Massachusetts. Dept. of research Women's educational and industrial union, Boston, 1915. \$.80.  
 A study of the evil of home work as a phase of modern industrialism, analysis of its condition and detailed report of home work in the wearing apparel industry, with bibliography.
- Industrial home work in Massachusetts. Am Econ R 5:92-4 Mr '15.  
 Not so serious in its menace to public health. Economic evils in Mass. are low wages, seasonal employment and child labor.
- \*Kelley, Florence. Problem of sweating in America. Chaut 60:414-21 N '10.
- Odenrantz, L. G. Why Jennie hates flowers. World Outl 3:12-13 O '17.  
 Story illustrating Italian home work in N. Y. City.
- O'Leary, I. P. Department store occupations. Vol. 2 Cleveland foundation. Survey committee. Cleveland education survey reports. 1916. \$.25.
- Sergeant, E. S. Tollers of the tenements. McClure's 35:231-48 J 10.
- Where the beautiful things of the great shops are made.
- Stone, N. I. Sweatshop, root of all garment trade evils. Survey 36:499-501 Ag 12 '16.
- U. S. Bureau of labor. Report on condition of women and child workers in the U. S. vol 2, Men's ready-made clothing. Chapters 5 and 6 on the sweating system.
- Van Kleeck, Mary. Artificial flower makers. Russell Sage Foundation, N. Y. 1913. \$1.50.  
 An investigation into the flower-making industry which "offers a concrete illustration of large industrial problems, seasonal work, child labor, home work system," etc.
- Van Kleeck, Mary. Child labor in home industries. Ann Am Acad 35 sup 145-9 Mr '10.
- Watson, E. C. Home work in the tenements. Survey 24:772-81 F 4 '11.

#### Consumers' League

- \*Baker, N. D. Industrial Liberty in war time; address at annual meeting, Consumer's league, 1917. 289 Fourth Ave., N. Y. City. 8p.

- Constitution of the National consumer's league. Ann Am Acad 36: sup 7-12 S '10.
- \*Kelley, Florence. Twenty-five years of the Consumer's league movement. Survey 35:212-14 N 27 '15.
- Leupp, C. D. Not one minute to lose. W H C Je '13.  
 Work of the Consumer's League and how to take it up in a town.
- \*Sanville, F. L. Story of the Consumer's league. Outlook 98: 113-9 My 20 '11.
- Uniforms from the sweatshops. Survey 38:519 S 15 '17.
- Note: All publications of the National consumer's league should be valuable. Address 289 4th Ave. N. Y. City.

#### Protocol agreement, 1910—date

- \*Cohen, J. H. Law and order in industry: five years experience. Macmillan, 1916. \$1.50.  
 The authoritative account of the workings of the protocol or collective bargaining between employers and garment workers. Advocates the white protocol label for all ready-to-wear clothes as indication to consumers of their production under sanitary conditions and fair treatment as to wages, hours, etc.
- Cohen, J. H. Control of sanitary standards. National conference of charities and corrections. Proceedings, 1912 p 429-33.
- \*Cohen, J. H. Control of sanitary standards. Survey 29:631-2 F 1 '13. Also "The white protocol" p 537-9.  
 Suggests the "white label" for ready-to-wear clothes.

#### RETAIL STORES

- Butler, E. B. Saleswomen in mercantile stores. Charities pub. com., 1912. \$1.08.  
 A study made in 1909 of working conditions, wages, etc. in Baltimore.
- Christmas curse. Cent 91:312-13 D '15.
- \*Emerson, A. Behind the scenes in a department store. Outlook 109:450-5 F 24 '15.  
 Welfare work of an exceptionally high quality carried on in one N. Y. store.
- Hopkins, M. A. Girls behind the counter. Colliers 48:16-7 My 16 '12. (Stories.)
- \*Inner workings of a department store. Outlook 110:278-82 Je 2 '15.  
 Welfare work challenged by need of better wages.
- McConnell, M. Study of the working conditions of women in department stores. Am City 14:273 Mr '16.  
 Abstract of an extensive study made by the Consumer's League of eastern Pennsylvania of Philadelphia wages and working conditions.
- Milholland-Boissevain, I. Does it pay the store? Harp W 58: 12-4 My 30 '14.  
 To allow unsatisfactory conditions.

- O'Leary, I. P. Department store occupations. Cleveland foundation. Survey committee. Cleveland education survey reports, vol 11, 1916. \$.25.
- Saturday closing. Outlook 107:330-1 Je 13 '14.  
In New York.
- Swartz, N. Commercial organizations can aid the early shopping movement. Am City 13:406-7 N '15.
- U. S. Bureau of labor statistics. Bulletin 160. Hours, earnings and conditions of labor in Indiana mercantile establishments and garment factories; by M. L. Obenauer & W. Valentine. 1914.
- U. S. Bureau of labor statistics. Bulletin 182. Unemployment among women in department and other retail stores of Boston. 1916.
- Van Kleeck, M. Working conditions in New York department stores. Survey 31:50-1 O 11 '13.  
Criticism of National Civic Federation report.

#### DRESSMAKING

- Bryner, Edna. Dressmaking and millinery. Cleveland foundation, Survey committee. Cleveland education survey reports, vol 22, 1916. \$.25.
- Tuttle, M. Sewing in other women's homes. L H J 34:20 Ja '17.  
What it means to be a seamstress at \$1.50 per day and how, by adding executive ability and skill, such a woman established an independent shop and became successful. A life story.
- \*U. S. Bureau of labor statistics. Bulletin 193. Dressmaking as a trade for women in Massachusetts; by May Allison. 1912.  
Evolution of the trade in the U. S.; the trade of today; and industrial conditions in it, with bibliography.

#### LAUNDRIES

- \*Ainslie-Walker, J. T. Disease from public laundries. Good H Je '13 p 826-8.
- \*Clark, S. A. & Wyatt, E. Women laundry workers in New York. McClure's 36:401-14 F '11.
- Dederer, E. C. Protection needed for laundry workers. Survey 4:548-9 S 18 '15.
- Goldmark, J. Waste. Survey 31:273-4 D 6 '13.  
Waste in human energy and detriment to health. Based on Labor Bulletin 122. Employment of women in power laundries in Milwaukee.
- Pratt, H. W. Laundry problems in N. Y. City. J Home Econ O '12 p 337-44.
- U. S. Bureau of labor. Report on condition of women and child wage-earners in the U. S. 19 vols. Washington '10-'12.  
Vol. 12, Employment in laundries.

## THE CONSUMER AND REACTION OF MODERN METHODS OF MERCHANDISING

### ECONOMICS OF SPENDING

- Blackmar, F. W. Economics. Macmillan, c 1900-07. \$1.40.  
Chap. on consumption.
- \*Billings, E. C. Brains and buying. Atlan 111:768-70 Je '13.
- Bruere, W. B. & Bruere, R. W. Increasing home efficiency. Macmillan, c 1911-12. \$1.50.  
Chap. 10 on training the consumer; first printed in Outlook. S 7 '12 p 29-34.
- Bullock, C. J. ed. Selected readings in economics. Ginn, 1907. \$2.25.  
Chap. 8 on human wants and the theory of utility.
- Devine, E. T. Economic function of women. Columbia Univ Teachers Col Tech Ed B 1 O 8 '10. \$.10.
- Ely, R. I. & Wicker, G. R. Elementary principles of economics. Macmillan, 1908. \$1.00.  
Chap on economy of spending and saving.
- Fetter, F. A. Principles of economics. Century, c 1904. \$2.00.  
Chaps. on: Economic motives, waste and luxury, reaction of consumption on production.
- \*Hollingsworth, H. I. Sex differences affecting sales to men and women. Salesmanship N '17 p 362; abstract in Business Dig N 28 '17 p 386.  
Proportion of buying done by women and specific selling appeals.
- \*Laughlin, J. L. Women and wealth. Scrib M 49:199-206 F '11.
- Richardson, B. J. The woman who spends. Ed 2 rev. Whitcomb & Barrows, c 1904-10. \$1.00.
- Seager, H. R. Principles of economics. Holt, 1913. \$2.25.  
Chaps on: Consumption and values in use.
- \*Veblen, T. B. Theory of the leisure class. Macmillan, c 1899. \$2.00.

### EXTRAVAGANCE

(See also Style, under Retailing)

Note: According to the 1914 census reports, the total value of textiles and clothing products manufactured in the U. S. runs up to about \$3,000,000,000 annually. Merchandising these products probably doubles the cost to the consumer so that total amount spent for domestic products alone in this country is between five and six billion dollars. Unfortunately there do not seem to be available statistics of total of family living expenditures which would enable one to estimate the percent clothing has to the national expenditure. As for in-



dividual budgets a reliable conservative estimate suggests 15% for clothes as necessary for efficient dressing; while men engaged in selling place the actual expenditures in this country as high as 42%.

\*Burns, Shirley. The insidiousness of debt. Forum 58:237-46: abstract in Lit Dig S 1 '17 p 52-3.

\*Coolidge, M. R. Why women are so. Holt, 1912. \$1.50. Chaps on the pursuit of dress; character and clothes. A sympathetic but clear sighted and vigorous study of traditional ideals and habits of woman and their reaction upon her behavior with intent to discover a larger outlook for a truly womanly type—as opposed to mere femininity.

Heddeeman, Baroness Francisca von. Extravagance of women's war clothes. Forum 59:408-10 Ap '18.

Lessening your denominator. Scrib M 55:533-4 Ap '14.

Post, Emily. Cost of women's clothes. Everybody's 22:754-64 Je '10.

Among women of high incomes.

\*Tarbell, I. M. Extravagance in dress. L H J 30:26 My '13.

\*Withers, Hartley. Poverty and waste. London, John Murray, 1917.

A lucid exposition of how the consumer can reduce poverty among the workers by spending less on luxuries and living a more sensible life in accordance with standards based on real wants instead of mimicry of the extravagance of others.

#### SHOPPING HABITS

Bennett-Thompson. Woman who pays the highest price. Harp W 58:27-8 F '21 '14.

Busbey, K. G. Home life in America. Macmillan, 1910. \$2.00. Chap. on shops and shoppers.

Maxwell, W. Over-the-counter sales. Colliers 52:19-20 N 15 '13.

\*Ninety-four housewives tell why they buy. System 28:481-9 N '15.

Nystrom, P. H. Economics of retailing. Ronald press, 1915 \$2.00. Chap. 3 on the consumer.

\*Riegel, E. C. Break the "return goods" habit. Housewives M 10:12 Jl '17.

\*Savage, C. Buying that isn't buying. Good H 63:29-33 Jl '16. Returned goods evil.

\*Strunsky, S. Psychology of shopping. Harp 134:426-32 F '17. Same cond. Cur Opin 62:346 My '17.

Wells, Carolyn. In the department store. Cent 82:314-5 Je '11. Monolog.

\*Why women buy. System 28:585-91 D '15.

#### MODERATION IN STYLE AND FREEDOM IN INDIVIDUAL CHOICE OF DRESS

\*Advertising effect on style continuation and simplification. Printers Ink S 6 '17 p 137-8; abstract in Business Dig S 19 '17 p 1513. Garment manufacturers and Retail clothiers assoc. comply with suggestion of Commercial Economy Board.

Bok, E. Remedy for the present wave of indecent dressing. Collier's 52:11 Ag 30 '13.

Cause, style commercialized. Plea for encouragement of American industries and economic independence.

\*Gerould, K. F. Dress and the woman. Atlan 108:617-24 N '11. Ideas of a plain country woman. L H J 31:26 Ag '14.

An appeal to do something practical regarding dress.

\*Johnson, H. L. Women and clothes; what the clubs are doing in the matter of standardization. J Home Econ 9:127-36 Mr '17. Is a nation's character revealed in its dress? Craftsman 25:622-5 Mr '14.

Mason, M. H. Tyranny of fashion in war time. 19th Cent 81: 671-8 Mr '17; same Liv age 293:73-9 Ap 14 '14.

\*Putnam, N. W. Fashion and feminism. Forum 52:580-4 O '14. Real cost of dressing etc. Atlan 115:138-42 Ja '15.

Slaves of this century. Craftsman 26:120-1 Ap '14. Standardized clothes are coming. Lit Dig 55:64 D 15 '17.

#### SCIENCE AND THE FUNDAMENTAL PRINCIPLE OF CLOTHES

##### HOW TO KNOW FABRICS

\*Ashenhurst, A. R. Practical treatise on weaving and designing of textile fabrics. Ed. 3. Lond. Simpkin Marshall & Co. 1879-85. 21s.

Old text book for manufacturing, but has chapters on design. Jacquard figures and general arrangements of patterns that are valuable for references in advanced study of weave construction.

Baker, C. G. Seven textile fibers. J Home Econ 8:144-47 My '16. Bjorklund, I. Manufactured silk. J Home Econ 9:377-82 Ag '17.

\*Carter, H. A. Bacteriological retting for ramie, flax, etc. Sci Am S 83:55 Ja 27 '17.

Cowan, J. L. Story of silk. Sci Am S 69:264-6 Ap 23 '10.

\*Dannerth, Frederic. Methods of textile chemistry. Wiley, 1908. \$2.50.

Laboratory guide for qualitative and quantitative analysis of the chemical composition of textile fibers, yarns and fabrics. Dye stuffs, mordants, and finishing materials are treated as substances encountered on finished goods. Has directions for making up reagents.

Dewey, L. H. Pure textiles. J Home Econ 6:222-8 Je '14.

Dodge, C. R. Profits in flax. Tech W Ja '12 p 565-70.

Co-operation essential for profitable culture. Consumer has better appreciation of fabric if method of cultivation is understood.

\*Dooley, W. H. Textiles. Rev. ed. with experiments. Heath, c 1910-14. \$1.00.

Good text book for high schools, study clubs, salespeople and consumers. Processes of production and manufacture; substitutes and adulterations; dyeing and finishing; physical and chemical experiments; names and definitions of principal materials. Gives concise history of textiles and organization of textile industries. Has valuable list of sources of supply, such as standard textile journals, samples, permanent exhibits, lantern slides, chemicals, dyestuffs, etc.

From wool to cloth. N C Col of Ag Ext C 23 S '16. 11p.

Georgievics, George von. Chemical technology of textile fibers, Lond. Scott Greenwood, 1902. 10s 6d.

Treats of chemical aspects of fibers and processes of manufacturing, such as washing, bleaching, carbonizing, mordanting, dyeing; printing, dressing and finishing. Written and arranged in a clear and forceful style.

\*Gibbs, C. M. Household textiles. Whitcomb and Barrows, 1912. \$1.25.

For high school classes, consumers and saleswomen. Simply written, yet comprehensive in scope. Deals with early development of textile arts; classification of fibers; principles of manufacture; bleaching and dyeing; adulteration and buying, and the hygiene of clothing. Its chapters on design and color, arts and crafts movement and social problems are elemental in treatment but sufficient to establish an appreciation and to stimulate an interest for more advanced study.

Growing and manufacturing ramie. Textile W 52:2283 Ap 21 '17.

Hannan, W. J. Textile fibers of commerce. Lond. Chas. Griffin & co., 1902. \$3.00.

"Handbook on the occurrence, distribution, preparation and uses of animal, vegetable and mineral fibers...used in manufacture." Classification differs from that of other authors in so far that it is approached from botanical side and is very detailed in its classification.

Harmuth, Lewis. Dictionary of textiles. Fairchild pub co., 1915. \$5.00.

For home economics departments, libraries, commercial and industrial establishments. Exhaustive compilation of terms and definitions relating to fibers, fabrics, manufacturing and finishing processes, chemicals used for textile purposes, etc. Special attention has been given to obsolete fabrics, French, English and German textiles. Supersedes Cole's Dictionary of dry goods—o. p.

\*Haven, G. B. Testing blankets for heat transmission. Textile W 52:3307 Je 16 '17.

Herzog, Alois. Determination of cotton and linen. Columbia Univ Teachers' Col Tec Ed B 7 N 4 '16. 32p. \$25.

\*Mackinnon, J. G. Household chemical tests for textile fabrics. J Home Econ 8:36-7 Ja '16.

Matthews, J. M. The textile fibers. Ed. 2. Wiley, c 1904-7. \$4.00.

Comprehensive and authoritative book. Deals with origin, classification, structure, physical properties and chemical composition of all fibers, together with qualitative, quantitative and microscopic analysis of both fiber and fabric. Its numerous and fine illustrations of microscopic studies add much to its usefulness to teachers for illustrated lectures.

Miles, F. C. Fiber flax. U S Ag Farmers' B 669 '15. 19p.

Mitchell, C. A. & Prideaux, R. M. Fibers used in textiles and allied industries. Van Nostrand, 1910. \$3.00.

Classification of textile fibers. Each fiber treated as to its physical and chemical properties; numerous and excellent microscopic drawings.

\*Nystrom, P. H. Textiles. Appleton, c 1915. \$2.00.

Textbook for high school, normal and elementary college courses; for consumer and retailer. Deals with production, geography, marketing, manufacture and distribution of fibers. Has good chapters on dyeing and printing, construction of weave, with illustrations, finish and care of textiles. Its chapters on physical and chemical tests are sufficient for elementary work.

Testing of materials. U S Bur Stand C 45:62-3 '13.

Testing and properties of textile materials. U S Bur Stand C 41. Ed. 2. '15.

\*Thompson, E. B. Cotton and linen departments. Ronald press, 1917. \$1.25.

Highly instructive department store manual for salespeople. Deals with cotton and flax from cultivation to finished goods, including color and design; dyes and dyeing; mixtures; adulterations; imitations and laundering.

Thorpe, Sir Edward. Dictionary of applied chemistry. 5 vols. Rev. and enl. ed. Longmans, 1912. \$70.00.

\*Weld, L. D. H. Shoddy, its manufacture and use. New Eng M n s 45:610-6 F '12.

\*Weller, Marion. Textiles; what every homemaker should know. Minn Univ Ag Ext Special B 15 O '17. 20p.

What makes clothes warm or cool. Lit Dig 46:1222 My 31 '13.

\*Woolman, M. S. & McGowan, E. B. Textiles. Macmillan, 1913. \$2.00.

Most comprehensive treatment of subject. Deals with the beginnings of textile industry; principles of hand and power machinery and manufacture; physical properties; microscopic and chemical tests. Laundry notes, hygienic, social and economic aspects are of special value. Bibliography and glossary add to its usefulness.

Note: Chapters on textiles and fabrics may be found in the following books entered elsewhere:  
 Baldt's Clothing for women.  
 Pales' Dressmaking.  
 Kinne & Cooley's Shelter and clothing.  
 Walton's The story of textiles.

#### DYES AND DYEING

- \*Allen, A. H. Commercial organic analysis. Vol 3 Part 1 rev. and ed. by J. M. Matthews. Blackiston, 1900. \$5.00.  
 Tannin, dyes and coloring matters. For the manufacturer and student. Reactions of many of the dyes are tabulated with formulas and derivations. Includes good descriptions of natural dye-stuffs and common adulterants. At the end of each section are tables for the recognition of dyes on the fibers.
- \*Fraps, G. S. Principles of dyeing. Macmillan, 1903 \$1.60.  
 Book aims to be "a systematic presentation of the principles underlying the art of dyeing," and includes a large number of laboratory experiments. To be used as a guide for the student in obtaining a general survey of the field and therefore does not pretend to be a manual of dyeing for the production of particular colors.
- Hopkins, A. A. ed. Scientific American cyclopedia of formulas. Munn, c 1910. \$5.00.  
 Chapter 9, Dyeing formulas.
- \*Matthews, J. M. Laboratory manual of dyeing and textile chemistry. Wiley, 1909. \$3.50.  
 Guide for laboratory instruction to be used in connection with more general works. Contains properties of fibers and application of dyes; tests and methods for analyzing fabrics and coloring matters.
- \*Pellew, C. E. Dyes and dyeing. New ed. enl. McBride, c 1913-18. \$2.00.  
 Good handbook for amateur dyers and craftsmen. Simple home directions for dyeing on a small scale, with many suggestions as to advantages and limitations of dyes and methods.
- Sadtler, S. S. Chemistry of familiar things. Lippincott, 1915. \$1.75.
- Thorp, F. H. Outlines of industrial chemistry. Ed. 2 rev. and enl. Macmillan, 1898-1905. \$3.75.  
 Thorp and Sadtler both have chapters on water, soaps, solvent paper and textiles. Good reference for either students or teachers.
- \*Wahl, Andre. The manufacturer of organic dye stuffs. Lond. Bell, 1914. \$1.60.  
 Handbook for manufacturer and student on the chemistry of leading dyes of each class. Contains little on the application of dye-stuffs, but is excellent for textile student as it is well arranged and contains many references to the patents and original sources.

#### HYGIENE

- \*Cavanagh, Francis. Care of the body. Ed 2. Lond. Methuen, 1907-08. \$2.00.  
 Chap. 6 on clothing and chaps. 3, 7, 8, 9 and 10 on hygiene included because of their importance in relation to aesthetic requirements of efficient dress.
- \*Galbraith, A. M. Personal hygiene and physical training for women. Saunders, 1911. \$2.00.  
 Chaps. 2 and 3 on "the care of the skin and its appendages and dress the fundamental cause of woman's physical deterioration."
- Note: Harrington and Le Basquet; below, could be used if more convenient.
- Harrington, Charles. Manual of practical hygiene. Ed. 4 rev. and enl. Lea and Febiger, c 1911. \$4.50.
- LeBasquet, Maurice. Personal hygiene. Chicago, Amer school of home economics, 1907. \$1.50.
- \*Mosher, C. D. Health and the woman movement. Nat'l board Y.W.C.A., 600 Lexington Ave. N. Y., 1916. \$.25.  
 Causes of ill health and principles underlying good health clearly defined. Simple exercises given whereby every woman may improve if not attain the physical ideal of a sound body.
- Sargent, D. A. Hygiene, dress and dress reform. J Home Econ 2:298-305 Je '10.
- Note: Chaps on clothing and health may be found in following books entered elsewhere:  
 Gibbs' Household textiles.  
 Kinne and Cooley's Shelter and clothing.  
 Woolman and McGowan's Textiles.

#### ECONOMY IN SELECTION

##### Clothing budget

- Andrew, B. R. A survey of your household finances. Columbia Univ Teachers Col Tec Ed B 26 '14. 15p. \$.10.  
 Sec. III. Suggestions for classifying one's personal clothing expenditures in order to make comparisons with certain standard budgets.
- Ashlock, J. L. Cost of women's clothes. J Home Econ 9:499-502 N '17.
- Baker, C. G. Clothes and the income. J Home Econ Jl '16 p373-6.
- Brookman, T. A. Family expense account. Heath, c 1904. \$.60.  
 Textbook for high schools. Although clothing budget is not discussed, the concise and clear form of keeping accounts is suggestive for class or individual needs. Emphasizes value of keeping personal and family accounts.
- Chase, S. War budget for the household. Ind 91:169-70 Ag 4 '17.
- Clothing budgets. J Home Econ 8:376-8 Jl '16.

- \*East, A. M. Family budget chart. L H J Ja '16.  
Laws which govern expenditures and percents in incomes from \$60 to \$200 per month.
- Johnson, H. L. Living on the budget plan. Ind 81:459-61 Mr 29 '15.
- Johnson, H. L. How to enjoy life on the budget plan. Harp B N-D '12 & Ja-Mr '13.
- Richards, E. H. Cost of living. Rev. ed. by J. F. Norton. Wiley, 1899-1917. \$1.00.
- \*Streightoff, F. H. Standard of living among industrial people of America. Houghton Mifflin, c 1911. \$1.00.  
Summarizes chief investigations which have been made in clothing expenditures among groups of different standards of living and considers the necessary minimum.
- Wharton, E. H. How to make a budget. Delin 91:23 J1 '17.  
Budgets from \$500 to \$2,000.
- Note: Chapters on budget may be found in the following books entered elsewhere:  
Baldt's Clothing for women.  
Kinne & Cooley's Shelter and clothing.  
Woolman & McGowan's Textiles.
- Points in buying
- Baker, C. G. Discrimination in buying. J Home Econ 8:251-5 My '16.
- Baker, C. G. Novelty versus quality. J Home Econ 8:191-5 Ap '16.
- Economy in leather. J Home Econ 9:336-7 J1 '17.
- Gibbs, C. M. Some points in choosing textiles. Ill Univ Dept of H S B vol 10 No 13 N 25 '12. 20p.
- Household conservation—textiles. Iowa Sta Col Ext Emergency Leaf 5 Ap '17. 4p.
- How can I make my clothes last longer? Neb Univ Ag Ext Emergency B 22 S 24 '17. 4p typed.
- \*Radnor-Lewis, C. T. How to buy blankets and towels. Good H 52:526-9 Ap '11.
- Radnor-Lewis, C. T. How to select linen. Good H 52:321-24 Mr '11.
- Radnor-Lewis, C. T. How to buy hosiery. Good H 54:412-7 Mr '12.
- Radnor-Lewis, C. T. How to buy textiles. Nat Food Mag p 72-6 S '17.
- Rolfe, L. What we shall wear this year and next. J Home Econ 10:125-9 Mr '18.
- Salisbury, E. C. Conservation of clothing. U S Sta Rel Serv W S 111:12 N 6 '17. 9p typed.

- Salisbury, E. C. Conservation of clothing—extracts from circular. Neb Univ Ag Ext Textiles C 5. 4p typed.
- Titworth, B. E. Hints on choosing textiles. Cornell Reading Course Household Textile Ser 1. Ag 1 '13. 9p.
- Toombs, M. R. Charm of a limited wardrobe. Housewives M My '18 p 11.
- Woolman, M. S. Hints on clothing. Columbia Univ Teachers' Col Tec Ed B 4 '17. 7p. \$1.10.

## ART

- Audley, C. A. Color harmony in dress. McBride Nast, 1912. \$.75.  
"Should interest every woman who gives intelligent thought to problems of dress. Laws of harmonious color discussed in simple form. Chapter on color in dress presents extensive lists of colors for types and gives the laws of their choice."
- \*Bolmar, Lydia & McNutt, Kathleen. Art in dress. Peoria, Ill. Normal Arts press '17. \$.50.  
Pamphlet giving a concise treatment of the basic principles of good color and line as applied to dress, with illustrative drawings. Particularly useful to the teacher.
- \*DeGarmo, Charles. Aesthetic education. Syracuse, N.Y. C. D. Bardween, 1913. \$1.00.  
Whole book very much worth while for its broad view point. Special selections: Fashion vs. Art. Decoration and Imitations.
- \*Ellsworth, E. P. Textiles and costume design. Jaul Elder, 1917. \$1.00.  
Takes up briefly the history of costume; principles of line and drapery; silhouette of stout and slender figure; use of color for certain types; accessories. Chief value of this little book lies in its fine and brief organization of a complex subject, its correlation with other arts and its suggested outlines for study.
- \*Ellsworth, E. P. Textiles and costume design. Paul Elder, 1917. \$1.00.  
Three essays on Fitness, Beauty, and Ethics. A little book which every woman should read.
- Gould, G. M. Fun of it. W H C 44:56 Je '17.
- Gould, G. M. Fashionable figure—and how she gets it. McClure's 46:32-3 Mr '16.
- Hessler, Mrs. J. C. Better dress standards. J Home Econ 4: 469-72 D '12.
- \*Izor, E. P. Costume design and home planning. Atkinson, Mintzer and co., 1916. \$1.00.  
Excellent student reference for laboratory classes which no teacher of elementary work should be without. Of equal importance to the woman who plans her own costume.
- What colors you should wear. Housewives M S '16 p 16.
- \*Whitney, B. A. What to wear. Good Health pub co., 1916. \$2.00.  
A sound solution of a perplexing problem. Fundamental principles of dress discussed in an interesting style.

Winterburn, F. H. Principles of correct dress. Harper & bros., c 1914. \$1.00.

Written in an interesting, conversational style. Principles are not set forth as clearly and concisely as they are in Isor's book.

Note: Chapters on artistic dress may be found in following books entered elsewhere:

Baldt's Clothing for women.

Gibb's Household textiles.

Kinne & Cooley's Shelter and clothing.

Talbot's Dress design (preface).

#### ETHICS

Bliss, S. H. Significance of clothes. Am J Psychol 27:217-26 Ap '16.

Houseman, L. Petticoat government. Contemp 104:663-72 N '13.

McCabe, F. R. Modesty in women's clothes. Harp W 58:10-2 Ag 30 '13.

Rice, Bertha. The business woman and the powder puff. Am M Ja 30, '18 p 37: abstract in Business Dig Ja 30 '18 p 144.

Psychological effect of clothes on a business woman's career.

\*Tarbell, I. M. Great problem of clothes. L H J 30:26 Ag '13.

\*Tarbell, I. M. Woman and her raiment. Am M 74:468-75 Ag '12.

Thomas, W. I. Sex and society. Univ of Chicago press, 1907. \$1.50.

Chap. on Psychology of modesty and clothing.

Note: Other chapters on ethics may be found in the following books listed elsewhere:

Coolidge's Why women are so.

Ellsworth's Textile and costume design, (preface).

Farnsworth's Art and ethics in dress.

Woolman and McGowan's Textiles.

## TECHNIQUE OF GARMENT MAKING

### HISTORY OF COSTUME

Earle, A. M. Two centuries of costume in America. 1620-1820. New ed. Macmillan, 1910. \$2.50.

McClellan, M. C. Historic dress in America, 1607-1870. 2 vols. Jacobs, 1904-10. Vol. 1, \$10.00. Vol. 2, \$6.00.

Volumes listed above are given for the purpose of serving as an historic background and guide in the patriotic problem of creating and developing American styles of a characteristic note. They give an appreciation and many charming suggestions well worth emulating or adapting to modern dress.

\*Hughes, Talbot. Dress design. Lond. John Hogg, 1913. \$3.00. Presented in the form of history, yet is also intended to be a book of suggestions. Rich in illustrations of costume from the 10th to

19th century with emphasis placed on character of decorations and trimmings of each century. Has patterns to scale.

Northend, M. H. Early American costumes. Amer Homes and Gardens Mr '15 p 95-9.

\*Planche, J. R. Cyclopedia of costume and dictionary of dress. 2 vol. Lond. Chatto & Windus, 1876. \$50.00.

Ranks second to Racinet in history of costume. Out of print.

Racinet, A. C. A. Le costume historique. Paris. Firmin-Didot et Cie. 6 vol. 1888. \$250.00. (price varies.)

Great monumental history of costume. Out of print.

Rackle, M. G. Costume design for dressmaking students. Ind Arts M 5:290-5 Jl '16.

### SEWING AND DRESSMAKING

Alteration of patterns. Neb Univ Ag Ext Textiles C 7. 2p. typed.

\*Baldt, L. I. Clothing for women. Lippincott, 1916. \$2.00.

Comprehensive text dealing with selection, design and construction. Subject is approached from economic and scientific view points beginning with the budget, its apportionments, and importance of correct clothing; facts that consumers should know about fibers, fabrics, and adulterations. Principles of clothing design and color are aptly set forth and well illustrated. Has chapters on pattern making, alteration and simple problems and in design construction of garment making. List of equipment and tools. Bibliography.

\*Coates, L. T. American dressmaking step by step. Pictorial review co, 1917. \$1.25.

Excellent guide for the inexperienced. Well organized manual of garment construction; illustrations numerous and clear; directions explicit. Contents lists chapters on sewing and dressmaking accessories; preparation of materials; measurements; patterns and alterations, finishings, darning and patching; cutting; fastenings and plain and ornamental stitches; construction; maternity, infants' and children's garments; tailoring.

Dressmaker, The. Ed. 2, rev. & enl. Butterick pub co, c 1911-16. \$.50.

Good manual of constructive processes in garment making and tailoring for beginners in sewing, and students. Has clear illustrations and definite directions for the making of practical and ornamental stitches; buttonholes; darning and mending; making and finishing undergarments; infants' and children's clothing; sailor and naval suits. Also includes a list of efficient equipment for dressmaking and instructions for cutting, splicing, and making various types of dresses and waists; section devoted to tailoring finishes; remodeling and care of clothes.

\*Day, L. F. & Buckle, Mary. Art in needlework. Ed 3. rev. and enl. Scribner's, 1908. \$2.00.

Included because certain types of hand decoration are the most economical form of trimming. Gives the different types of decorative work from directions and diagrams for all fundamental

stitches and their applications. Value of illustrations are greatly enhanced by showing the right and wrong side of samplers.

- \*Fales, Jane. Dressmaking. Scribner's, 1917. \$1.50.  
Excellent text or reference for normals and colleges. History of costume logically developed and profusely illustrated. Broad field of the manufacture and economies of textiles is well organized and brief; facts which are fundamental to the wise selection and economic expenditure of budget are emphasized. Chemical tests not included. Section on construction deals with drafting and pattern making; commercial patterns; pattern designing and draping; waists, skirts and dresses; finishing and embroidery. Bibliography.
- \*Fuller, M. E. Constructive sewing. Indianapolis, Industrial book & equipment co. 4 vols. 1916-17. \$.60 each.  
Valuable and suggestive series of four pamphlets for teachers in grammar and high schools. Deals with the fundamentals of sewing in its logical progression from the stitches in their application on simple articles and concluding with the principles of costume design, millinery and their applications. Problems of bed and table linen are included. Simple textile study parallels the constructive problems at a time when they will be most interesting to the pupil. Many illustrations.
- Kinne, Helen & Cooley, A. M. Clothing and health. Macmillan, 1917. \$.65.  
Treatment of subject is elementary and lucid. Chapters are subdivided into lessons so that an inexperienced teacher is guided in method and sequence of presentation. Correlates closely the study of the textile fibers with the hygiene of clothing and their preservation and care. The budget, technique of sewing, color combinations and attractiveness in dress are presented in such a manner as to hold and stimulate the interest of the young student.
- Kinne, Helen & Cooley, A. M. Shelter and clothing. Macmillan, 1913. \$1.10.  
Fills a long felt need as a text for high schools. Part devoted to clothing deals with textile materials, methods of manufacture and adulteration, with simple physical and chemical tests for the identification of the fibers. Section on technique presents problems of undergarments; selection of materials and decorations; pattern alteration and drafting; cutting and making; concluding with more advanced problems of costume design based on art principles; dress construction; hygiene of clothing, economies of dress; care and repair of clothing.
- \*Newcomb, M. J. Dressmaking at home. Penn Sta Col Ext C 70 N '17. 24p.
- \*Planning the costume. Iowa Sta Col Ext H E B 9 Je '16. 20p.
- \*Robinson, M. E. Principles of sewing. Mo Univ Ag Ext C 41 '17. 28p.
- Tobey, E. S. Handmade flowers: how to make them. Columbia Univ Teachers' Col, c 1914. \$.50.  
Pamphlet included because of value of such trimmings in dress construction.

\*Woolman, M. S. A sewing course for teachers. Ed 5 rev. Washington. T. A. Fernald, c 1893-1908. \$1.50. Interleaved copy, \$3.50.  
"Comprises directions for making the various stitches and instructions in methods of teaching." Contains chapters on "notes for teachers" and an outline on "suggestive sewing for the elementary school."

#### Remodeling

- \*Manning, Hazel. New clothes at small cost. Wis Univ Ag Ext C 91 '17. 8p.  
Children's Clothing
- \*Children's clothing. Penn Sta Col Ext C 48 My '16. 20p.  
Clothes for the growing child. U S Children's Bur '17. 1p. typed.
- Perry, C. Mistakes we make in dressing our children. L H J 28: 37 Ja 15 '11.

## CLEANING AND PRESERVATION OF CLOTHING

#### LAUNDRY

- Balderston, L. R. Two wash-day factors. L H J 33:54 Ap '16.  
Soap and blueing.
- \*Balderston, L. R. Laundering. Ed. 2. R. L. Balderston, 1224 Cherry St., Philadelphia, c 1914. \$1.25.  
Best book on the subject. Approached from artistic and scientific view points; treats briefly of fibers in their relation to cleaning; washing and cleansing agents used, directions for washing, ironing and folding of typical garments; fumigation and disinfection of clothing; dry cleaning. Methods of removing stains presented in concise and clear outline form. Includes equipment and suggestive outlines for laundry courses. Bibliography.
- Bancroft, W. D. Washing and cleaning. J Home Econ 8:356-60 Jl '16.
- Chambers, M. L. Guide to laundry work. Boston cooking school mag co, 1915. \$.75.  
Contents similar to "Laundering" by Balderston. Method of presentation entirely different—not as full.
- Child, G. B. Just how to do washing. Delin 86:23 Ap '15.
- Child, G. B. Shall clothes be soaked. Delin 87:35 O '15.
- Helps for wash day. N J International Harvester co. '16. 17p.  
Foreword on lack of equipment makes bulletin worth while.
- Kauffman, T. E. Home laundering. Ohio Sta Univ Ag Ext B 7 '15. 16p.
- Marlatt, A. L. Washing made easier. Wis Univ Dept of H E B 44 '17. 3p.

Marsh, E. L. Laundry work in theory and practice. Longmans, 1914. \$7.50.

English publication written primarily for the trade. Would be very suggestive to teachers who have not had much practical experience. Technique of ironing and folding is given in detail and well illustrated; includes types of equipment.

MacLeod, S. J. Housekeeper's handbook of cleaning. Harper, 1915. \$1.00.

Half of book devoted to laundry, rest house cleaning.

Owen, F. A. Dyeing and cleaning of textile fabrics. Wiley, 1909. \$2.00.

Value is in its collection of brief practical dyeing recipes for use in the home, intermingled with directions for washing or cleaning and restoring various fabrics and materials. Includes also miscellaneous formulas for making soaps, cleaning compounds, bleaches, etc. List of dyestuffs, etc. in app. is obsolete.

\*Rose, Flora. The laundry. Cornell Reading Course. Farm House Series 3 '12. 42p.

Wadhams, C. R. Simple directions for the laundress. Longmans, 1917. \$.50.

Written for the laundress; would also be helpful to inexperienced housekeeper. Directions given with clearness, briefness and minuteness as to requirements for equipment and methods of laundering.

Note: Chapter XIV. The Laundry in Woolman & McGowan's Textiles.

#### Chemistry

\*Elledge, H. G. Conservation of garments in laundering. Sci Am S 84:30-1 J1 14 '17.

Responsibility rests with manufacturer, user and launderer.

\*Ryan, J. H. Advantages of softened water in laundry work. J Ind & Eng Chem 9:397-8 Ap '17.

\*Shillstone, H. M. Proper use of the chemicals in the laundry. Sci Am S 82:203 S 23 '16: abstract from National Laundry Journal.

#### Soaps

\*Balderston, L. R. Facing the facts on wash day. Good H 63: 90-1 N '16.

Characteristics of textile starches. Textile W D 30 '16 p 411.

\*Nichols, Janet. The making of soap. Housewives M 10:27 J1 '17. Specifications for and methods of testing soap. U S Bur Stand C 62 '16. 21p.

#### Equipment

Balderston, L. R. Taking the work out of washing. Good H 63:65 D '16.

Ridlon, H. The home laundry. Good H O '11 p 542-44.

Note: Some valuable information on the chemistry of laundering may be found under Working conditions in laundries.

#### Removal of Stains

\*Balderston, L. R. Home remedies for spots. Good H 63:101-2 S '16.

\*Lang, H. L. & Whittelsey, A. H. Removal of stains from clothing and other textiles. U S Ag Farmers' B 861 S '17. 35p.

Musgrave, A. F. Removal of stains in the laundry. Sci Am S 84:71 Ag 4 '17: abstract from National Laundry Journal.

#### DRY CLEANING AND PRESERVATION

Fire hazards due to static electricity in dry-cleaning establishments. Elec R & W Elec'n 70:490 Mr 24 '17.

Principle applicable to cleaning on a small scale.

\*Marlatt, C. L. True clothes moths. U S Ag Farmers' B 659 '15. 8p.

\*Yorke, S. How to pack away your winter clothes. L H J 28:30 My 1 '11.

## THE TEXTILE SITUATION

Note: The war has taken millions of workers from the fields and mills of the world's textile industries. The major part of the available textile production is required for ammunition and the machinery of war, clothing and bedding for the army and navy and supplies for the Red Cross. A very small percent, therefore, of the normal supply is left for civilian needs. Conservation of textiles has become a vital necessity.

The references listed below will serve as a connecting link and guide in the study of one of the most important problems of the day.

Carroll, V. E. Textile industry and relation to the war. Textile W 52:2272 Ap 21 '17.

Clothing and food control in the central empires. Cur Hist M N Y Times D 7 '17 pt1:448-51.

Germany's business after the war. Business Dig N 7 '17 p 265; abstract from J of Commerce O 8 '17; Printers Ink O 4 '17 p 37 and N 18 '17 p 37.

Hunter, K. A. Requirements of airplane fabrics. Textile W 53: 1043 S 15 '17.

Need of cooperation with textile schools. Textile W 52:615-19 Ja 13 '17.

Our shortage in wool and the prospect of having to wear old clothes or shoddy. Lit Dig 56:102 Mr 23 '18.

Schmidt, L. W. Economic changes wrought by the war. Sci Am 116:178 F 17 '17.

Refers very briefly to textiles, but gives an economic aspect of the present.  
Symposium of tariff and textile conditions. Textile W 52:614 Ja 13 '17.

War convention helps to solve the new problems of retail stores.  
Nat Retail dry goods assoc. Report F 6-8 '18. 86p.

Washington State Bur of Statistics & Immigration. Manufacturing in the state of Washington. '18.

Article by G. C. Denny on Possibilities for textile manufacturing. p128-29.

Wanted: a clothes administration. Lit Dig 55:17 D 22 '17.

#### COTTON

Cotton: the agricultural situation for 1918. U S Ag C 88 F 18 '18.

Industrial uses of cotton bid fair to surpass its uses for household fabrics and clothing. Abstract in Business Dig Ja-Mr '17 p 115.

More, J. L. Cotton a weapon of war. Textile W 53:1281 S 29 '17.

Pratt, E. E. Cotton textiles; international trade and merchandising methods. U S Bur For & Dom Com Misc Series 58. 19p. '17. Excerpts Textile W 52:1591 Mr 3 '17.

#### DYESTUFFS

American made dyestuffs winning world markets. Off B O 25 '17 p5.  
Very brief and to the point.

Dye merger and its relation to the industry. Textile W 52:3487-S Je 30 '17.

\*Dyestuff situation in the textile industries. U S Tariff commission, Tariff information series 2 '18. 20p.

On the tariff and its relation to various textile industries.  
Dyestuff situation in the United States. N '15 U S For & Dom Com Bur '16.

\*Gordon, J. W. Future of the aniline-dye scheme: a fore-thought. 19th Cent 78:194-203 Ji '15.

Of historical nature dealing with patent law in its relation to aniline-dyes. Excellent background study for present dye situation.

Harold, J. F. X. American dyes in retrospect and prospect. Textile W 52:707 Ja 13 '17.

\*Hebden, J. C. Progress in American dye-stuff industry. Met & Chem Eng 16:474-5 My 1 '17.

Development of dyestuff industry will depend upon a tariff written in favor of industry and not importer.

\*Hendrick, Ellwood. How dyestuffs crisis was met. World W Mr 18 p 331-4.

\*Interdependence of dyestuff, and explosive industries. Textile W 52:2242 D 1 '17.

Norton, T. H. Evolution of artificial dyestuffs. Sci A 117:40 Ji 21 '17.

Norton, T. H. Dyestuffs for American textile and other industries. U S Dept of Commerce Spec Agents Series 96 '15. 10p. Report on dyestuff and textile situation previous to our entrance into the war.

Norton, T. H. Dyestuff situation in the U. S. U S Bur of For & Dom Com Spec Agents Series 111 '15. 15p.

Status of artificial dye industry in Ag. 1914; its present and future development.

Open letter to the House of Representatives of the Sixty-fourth Congress. J Ind & Eng Chem 9:4-5 Ja '17.

In regard to dyestuff bill. Draft of resolution protesting against the excepting clause of dyestuff legislation.

\*Stone, I. F. American dyestuff industry. Met & Chem Eng 17: 226-7 S 15 '17.

Slosson, E. E. What comes from coal tar. Ind N 10 '17 p 291.

#### LINEN

Can we develop a larger linen industry? Textile W 52:827-8 Ja 13 '17.

Clark, W. C. G. Development of an American linen industry. U S Bur of For & Dom Com Spec agents series 122 '16.

Prospect for future development.

Miles, F. C. Fiber flax. U S Ag Farmers' B 669 '15. 19p.

Valuable statistics and discussion of present flax situation.

#### LEATHER

A chance for a good will campaign. Printers Ink O '17 p 116-7: abstract in Business Dig N 7 '17 p 273.

Government contract's effect on substitutes for civilian shoes.

Threatened slump in shoe trade may bring better merchandising. Printers Ink D 20 '17 p 92: abstract in Business Dig Ja 23 '18 p 131.

#### SILK

Importance of Japanese silk trade. Second Japanese Supp. N Y Eve Post Je 30 '17 p 28: abstract in Business Dig Ag 1 '17 p 1091.

The Jobbers association of dress fabric buyers met July 17 in New York and discussed effect of war on dry goods. Abstract in Business Dig Ji 25 '17 p 993.

Statistics on rise in cost of silk.

Silk association of America. 46th Annual report. My 27 '18. 117p.

#### SUBSTITUTES

Kertesz, A. Paper yarn textiles and dyeing and impregnating them. Sci Am S 84:19 Ji 14 '17.



- Matthews, J. M. The use of paper yarns for clothing. Address at special meeting of the Chemists Club D 9 '17. Abstract in Business Dig D 19 '17 p 518.
- Successful use of nettle fibers in cloth making. Sci Am S 116:110 Ja 27 '17.
- Typha plant—a substitute for cotton. Sci Am S 83:52 Ja 27 '17.

#### WOOL

- Conference of representative woolen and worsted manufacturers meets with Commercial Economy Board of the Council of Nat'l Defense, for the purpose of considering possibilities of war economy in wool, May 27 '17. Abstract in Business Dig Ap-Je '17 p 503.
- Hart, S. H. World wool demands. Amer Sheep Breeder N '17 p 647-51.
- How war has shifted the world's wool trade. American Ja '17 p 9-13: abstract in Business Dig Ap-Je '17 p 504.
- "Keep sheep" movement. Textile W 52:623 Je 13 '17.
- New restrictions governing imports and exports of wool. C & F Chron D 22 '17 p 2416: abstract in Business Dig Ja 2 '18 p 39.
- Sheep and wool industry in the United States. U S Chamber of Commerce Spec B Ap 26 '18. 8p.
- \*Washington on the trail of "All wool" advertising. Printers Ink S 20 '17 p 12: abstract in Business Dig O 3 '17 p 56.

### SUGGESTIVE STUDY OUTLINES

#### DEPARTMENT STORES

- Norton, H. R. Department-store education. U S Bur of Ed B 9 '17. 70p.

#### SCHOOLS

- Balderston, L. R. Course of instruction in laundry management. J Home Econ 2:339-44 N '10.
- Balderston, L. R. Laundry: equipment, plans and formulas. J Home Econ 6:321-8 O '14.
- Buchanan, F. Study of textiles as a part of the related subject matter in courses of sewing. J Home Econ 6:135-8 Ap '14.
- Craig, A. H. Textile experimentation. J Home Econ 3:229-35 Je '11.
- Crawford, L. R. Art, the foundation of domestic art. J Home Econ 3:246 Je '11.
- Home economics teaching under the present economic conditions. U S Bur of Ed C S 6 '17. 11p.
- Laundering; why we have a college course in this subject. Teach Col Rec 16:92-5 Ja '15.

- Mariatt, A. L. Study of the subject of textiles as it is presented in higher institutions. J Home Econ 3:217-21 Je '11.
- McKeown, M. J. & L. R. Balderston. Analysis of blues. J Home Econ 3:251-2 Je '11.
- Sewing equipment. Neb Univ Ag Ext Textiles C 6. 2p. typed.
- Sill, R. P. Outline of a course in elementary clothing and handwork. Columbia Univ Teachers Col Tec Ed B 21 '15. 12p.
- Syllabus of Home Economics. Am Home Econ Assoc '13. 66p.

#### WOMEN'S CLUBS

- The problem of dress. Gen Fed Women's Clubs '16-'17. 18p.
- Women's club outlines. Neb Univ Ag Ext H E Ser 2 C 5. 5p. typed.
- Women's club outlines. Neb Univ Ag Ext Ser 2 C 5. 10p. typed.
- One of the best methods of keeping informed as to progress and conditions in and effecting the textile industries is through the national associations and technical journals. Associations listed below distribute, free of charge, reports and bulletins, the contents of which give the teacher a basis for more intelligent interpretation of complex textile problems and situations:
- American Association of Woolen and Worsted Manufacturers, 45 East 17th Street, New York City.
- National Retail Dry Goods Association, 34 West 42nd Street, New York City.
- The Silk Association of America, 354 Fourth Ave., New York City.
- \*Textile World Journal. \$3.00 per year. Bragdon, Lord and Nagle Co., Inc., 461 Eighth Avenue, New York City.
- A weekly journal of news, market reports and technical information.
- \*Textile American. Published monthly. \$1.00 per year. Textile American Publishing Co., Boston, Mass.
- Bulletin of the National Association of Wool Manufacturers. Quarterly. \$2.00 per year. 50 State Street, Boston.

### KEY TO MAGAZINES, BULLETINS AND PAMPHLETS, WITH ADDRESSES

- Note: Stars (\*) indicate suggestions for first selection by public libraries; (t) indicates books technical.
- Note: Abbreviations for months: Ja—January; F—February; Mr—March; Ap—April; My—May; Je—June; Jl—July; Ag—August; S—September; O—October; N—November; D—December.
- Note: B—Bulletin; p—page; C—Circular; Leaf—Leaflet; Exp Sta—Experiment Station; Ext—Extension Department; Col—College.
- Note: Bulletins and pamphlets are usually free, unless price is given. U. S. departments and State Agricultural extension departments have the franking privilege, but it might be safe

to enclose postage in sending to other sources. For all U. S. publications, address issuing department, Washington, D. C., or Supt. of documents, Washington, D. C.

Advertising and Selling—381 Fourth Ave., New York. \$2.

Am City—American City. Civic Press, 87 Nassau St., New York. \$3.

Am Econ R—American Economic Review. American Economic Association, Ithaca, N. Y. \$5.

Amer Homes & Gardens—American Homes and Gardens. Munn & Co., 223 Broadway, New York. \$3.

Am Home Econ Assoc—American Home Economics Association, 1211 Cathedral St., Baltimore, Md.

Amer Industries—American Industries, 30 Church St., New York. \$1.

Am J Psychol—American Journal of Psychology. Clark Univ., Worcester, Mass. \$5.

Am M—American Magazine, 381 Fourth Ave., New York. \$1.50.

Am Sheep Breeder—American Sheep Breeder Co., 9 S Clinton St., Chicago. \$1.25.

Ann Am Acad—Annals of the American Academy of Political and Social Science, 36th and Woodland Ave., Philadelphia, Pa. \$6.

Art World—2 West 45th St., New York. \$4.

Atlas—Atlantic Monthly, 3 Park St., Boston, Mass. \$4.

Bookman—Dodd, Mead & Co., 4th Ave. and 30th St., New York. \$3.

Business Dig—Business Digest. Cumulative Digest Corp., 241 W 37th St., New York. \$10.

Canada Dept of Agriculture—Ottawa, Canada.

Cent—Century Co., 353 4th Ave., New York. \$4.

C & F Chron—Commercial & Financial Chronicle, W. Pine and Depeyster Sts., New York. \$10.

Chaut—Chautauquan. Chautauquan Press, Chautauqua, N. Y.

Chem Abs—Chemical Abstracts. Amer. Chemical Soc., Easton, Pa. \$6.

Colliers—P. F. Collier & Son, 416 W. 13th St., New York. \$2.50.

Columbia Univ Teachers' Col—Teachers' College, Columbia University, 525 W. 120 St., New York City.

Contemp—Contemporary Review. Leonard Scott Pub. Co., 249 W. 13th St., New York. \$5.00.

Cornell Reading Course—Cornell University, College of Agriculture, Ithaca, N. Y.

Cosmopolitan—International Magazine Co., 119 W. 40th St., New York. \$1.50.

Craftsman—Craftsman Pub Co., 6 E. 39th St., New York. \$3.

Cur Hist M N Y Times—Current History Magazine, New York Times, Times Square, New York. \$3.

Cur Opin—Current Opinion. Current Literature Co., 63 W. 36th St., New York. \$3.

Delin—Delineator. Butterick Pub. Co., Butterick Bldg., Spring and Macdougall Sts., New York. \$1.50.

Econ W—Economic World, W. 80 Wall St., New York City. \$4.

Elec R & W Elec'n—Electric Railway and Western Electrician. Electrical Review Pub. Co., 608 S. Dearborn St., Chicago, Ill. \$3.

Forum—Forum Publishing Co., 286 5th Ave., New York. \$2.50.

Gen Fed Women's Clubs—General Federation of Women's Clubs. Home Economics Department, Mrs. J. G. Gawler, Chairman, 1401 W. Chestnut St., Yakima, Wash.

Good H—Good Housekeeping Magazine, 119 W. 40th St., New York. \$1.50.

Harp—Harper's Monthly. Harper & Bros., Franklin Square, New York. \$4.

Harp B—Harper's Bazaar. International Magazine Co., 119 W 40th St., New York. \$3.

Harp W—Harper's Weekly. Harper's Weekly Corporation, Fourth Ave. and 20th St., New York. \$5.

Housewives M—Housewives Magazine, 25 W. 45th St., New York. \$2.

Ind Arts M—Industrial Arts Magazine. Bruce Pub. Co., Milwaukee, Wis. \$1.50.

Ind—Independent, W. 119 40th St., New York. \$4.

Ill Univ Dept of H S—Illinois University, Department of Household Science, Urbana, Ill.

Iowa Sta Col Ext—Iowa State College, Extension Department, Ames, Iowa.

J of Com—New York Journal of Commerce, Daily, Bx 1500, New York. \$12.

J Home Econ—Journal of Home Economics. American Home Economics Association, 1211 Cathedral St., Baltimore, Md. \$2.

J Ind & Eng Chem—Journal of Industrial and Chemical Engineering. American Chemical Society, Easton, Pa. \$6.

J Pol Econ—Journal of Political Economy. University of Chicago Press, Chicago, Ill. \$3.

L H J—Ladies' Home Journal. Curtis Pub Co., Independence Square, Philadelphia, Pa. \$1.50.

Lit Dig—Literary Digest. Funk & Wagnalls Co., 354 4th Ave., New York. \$3.

Liv Age—Living Age Co., 6 Beacon St., Boston, Mass. \$6.

Met & Chem Eng—Metallurgical and Chemical Engineering. McGraw Pub. Co., 239 W 39th St., New York. \$3.

McClure—McClure's Magazine. McClure Pub., 4th Ave and 20th St., New York. \$1.

Minn Univ Ag Ext—College of Agriculture, University of Minnesota, University Farm, Extension Department, St. Paul, Minn.

Mo Univ Ag Ext—College of Agriculture, University of Missouri, Extension Department, Columbia Mo.

M Rev Bur Labor Statistics—Monthly Review of the U. S. Bureau of Labor Statistics. Department of Labor, Washington, D. C.

Nation—20 Vesey St., New York. \$4.

Nat Educ Assn—National Education Association. Proceedings and Addresses. National Education Assn., 140 Mass. Ave. N. W., Washington, D. C. \$2.

Nat Food Mag—National Food Magazine. Pierce Pub Co., 45 W. 34th St., New York. \$1.

Nat Retail Dry Good Assoc—National Retail Dry Good Association, 34 W. 42nd St., New York.

Neb Univ Ag Ext—College of Agriculture, University of Nebraska, Extension Department, Lincoln, Neb.

New Eng M—New England Magazine. New England Magazine Co., 221 Columbus Ave., Boston, Mass. \$1.75.

N J International Harvester Co—New Jersey International Harvester Company, Harvester Bldg, Chicago, Ill.

19th Cent—19th Century Magazine. Leonard Scott Pub. Co., 249 W. 13th St., New York. \$5.

Off B—Official Bulletin, Committee on Public Information, Washington, D. C.

Ohio Sta Univ Ag Ext—College of Agriculture, Ohio State University, Extension Department, Columbus, Ohio.  
 Outlook—Outlook Co., 381 Fourth Ave., New York. \$4.  
 Penn Sta Col Ext—Pennsylvania State College, Extension Department, State College Station, Pa.  
 Prince Edward Is Dept of Ag—Prince Edward Island, Department of Agriculture, Charlottetown, Canada.  
 Printers Ink—W. 185 Madison Ave., New York. \$2.  
 Proceed Acad Pol Sci in N Y—Proceedings of the Academy of Political Science in New York, Columbia Univ., New York. \$5.  
 R of Rs—Review of Reviews. Review of Reviews Co., 30 Irving Place, New York. \$3.  
 Salesmanship—M. Kresge Bldg., Detroit, Mich. \$2.  
 Sci Am—Scientific American. Munn & Co., 233 Broadway, New York. \$4.  
 Sci Am S—Scientific American Supplement. Munn & Co., 233 Broadway, New York. \$5.  
 Scrib M—Scribner's Magazine. Chas. Scribner's Sons, 597 5th Ave., New York. \$4.  
 Silk Assoc of America—354 Fourth Ave., New York.  
 Smithsonian Institution—Washington, D. C.  
 Survey—Survey Associates, 112 E 19th St., New York. \$3.  
 System—A. W. Shaw Co., Wabash Ave. and Madison St., Chicago, Ill. \$3.  
 Teach Col Rec—Teachers' College Record. Columbia University, New York. \$1.  
 Tech W—Technical World, Drexel Ave. & 58th St., Chicago, Ill. \$1.50.  
 Textile W—Textile World. Bragdon, Lord & Nagle Co., 461 8th Ave. at 34th St., New York. \$3.  
 U S Ag—U. S. Department of Agriculture.  
 U S Bur Ed—U. S. Bureau of Education.  
 U S Bur For & Dom Com—U. S. Bureau of Foreign and Domestic Commerce.  
 U S Bur of Labor—U. S. Department of Labor.  
 U S Bur of Labor Statistics—Department of Labor.  
 U S Bur of Standards—U. S. Bureau of Standards, Commerce Department.  
 U S Chamber of Commerce, Washington, D. C.  
 U S Dept of Commerce—U. S. Department of Commerce.  
 U S Sta Rel Serv—U. S. States Relation Service.  
 U S Children's Bur—U. S. Children's Bureau.  
 Vt Univ Ag Ext—University of Vermont and Statte Agricultural College, Burlington, Vt.  
 Washington State Bur of Statistics and Immigration, Olympia, Wash.  
 Wis Univ Ag Ext—University of Wisconsin, Extension Department, Madison, Wis.  
 Wis Univ Dept H E—University of Wisconsin, Department of Home Economics, Madison, Wis.  
 W H C—Woman's Home Companion, 381 Fourth Ave., New York. \$1.50.  
 World Outl—World Outlook, 150 5th Ave., New York. \$1.50.  
 World's W—World's Work. Doubleday Page & Co., Garden City, N. Y. \$3.  
 W Va Univ Ag Ext—College of Agriculture, West Virginia University, Extension Department, Morgantown, W. Va.

This book is due on the date indicated below, or at the expiration of a definite period after the date of borrowing, as provided by the library rules or by special arrangement with the Librarian in charge.

[illegible]

C28(946)M100

COLUMBIA UNIVERSITY LIBRARIES



0021293929

B  
D360 AW27

Washington (State) State college,  
Pullman. Library.

APR 1964

MS. 2022a

END OF  
TITLE